

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (withdrawn): A router table comprising:
a table top having a top work surface with a guide channel, and a router bit hole through the table top;
a plurality of support legs below the table top;
a safety shield positioned above the router bit hole;
a workpiece fence slidably positioned on the top work surface; and
a feather flap extending from the workpiece fence, wherein said feather flap is comprised of a resilient material and is configured as a flat L-shaped strip.

Claim 2 (withdrawn): The router table as claimed in claim 1, further comprising a miter guide, said miter guide comprising:

a protractor having a half-circular shape comprising a flat side and a half-circular-shaped side, said protractor comprising:

a protractor adjustment slot that is parallel to said half-circular-shaped side; and

an angular scale comprising angular measurement indicators;

said miter guide further comprising:

a miter bar that is affixed to a bottom side of said protractor and that rides inside of said guide channel permitting movement of said miter guide in a linear direction, said miter bar utilizing a fastener between said miter bar and said protractor adjustment slot for adjusting the angle of said protractor; and

a slide guide attached to said flat side of said protractor that operates to hold a workpiece against a table top by applying a downward force to said workpiece, said slide guide being in contact with said workpiece.

Claim 3 (withdrawn): The router table as claimed in claim 1, further comprising:
featherboard flaps that are flat and are generally L-shaped, said L-shape defining a mounting leg of said featherboard flap and a workpiece contacting leg of said featherboard flap, said featherboard flap being mounted according to at least one of the following configurations:

- a) said mounting leg being inserted into a featherboard flap hole of said workpiece fence to provide a downward force on said workpiece against said flat table top; and
- b) said mounting leg being inserted into a featherboard flap hole of said flat table top to provide an inward force on said workpiece against a front surface of said workpiece fence.

Claim 4 (withdrawn): A machining table having a table top, comprising:
a dovetail/boxjoint bar that is used to produce dovetail joints, box joints, and combination joints, said bar having a cross-sectional width that is equal to the diameter of a cutter mounted in said machining table;

wherein said dovetail/boxjoint bar is affixed directly on said table top so that its inner edge is a distance equal to the diameter of said cutter away from an outer edge of said cutter.

Claim 5 (withdrawn): The machining table as claimed in claim 4, wherein said dovetail/boxjoint bar is affixed utilizing fasteners that pass through two or more holes in said dovetail/boxjoint bar and respective slots of said table top permitting said distance to be adjusted.

Claim 6 (currently amended): A router table comprising:
a table top having: (a) a top side including a work surface; and (b) a bottom side, a
support connected to a table top, the router table configured to mount a router to the bottom side
of the table top, the table top defining:

- (i) a router bit hole extending through the table top;
- (ii) a first group of router mounting holes positioned adjacent to the router bit
hole, each one of the router mounting holes of the first group having a
distance from the router bit hole; and
- (iii) a second group of router mounting holes positioned adjacent to the router
bit hole, each one of the router mounting holes of the second group having
a distance from the router bit hole, at least one of the distances of the first
group being different from at least one of the distances of the second
group;

at least one work piece guide coupled to the top side of the table top; and

a plurality of legs connected to the bottom side of the table top.

~~at least three groups of router mounting hole patterns centered around a common router~~
~~bit hole through the table top, each group having a unique combination of radial distances from a~~
~~center of the router bit hole and angular positions around the router bit hole, wherein the at least~~
~~three groups are capable of mounting routers having different mounting hole arrangements.~~

Claim 7 (cancelled).

Claim 8 (withdrawn): A method for adding a dovetail/boxjoint bar to a router table for producing dovetail joints, box joints, and combination joints, comprising the steps of:

affixing said dovetail bar having a same width as the diameter of a router bit on a table top of said router table, a horizontal mounting position of said dovetail/boxjoint bar being located at a distance away from an outer edge of said router bit that provides a gap between said outer edge of said router bit and an inner edge of said dovetail/boxjoint bar that is equal to the diameter of said router bit;

said step of affixing comprising the steps of placing two or more dovetail bar fasteners through two or more respective holes in said dovetail bar and through two or more respective dovetail bar mounting slots in said table top, thereby permitting adjustment in a horizontal direction, said fasteners having a securing mechanism for tightening the secure mount of said dovetail bar to said table top.

Claim 9 (withdrawn): A miter guide comprising:

a protractor having a half-circular shape comprising a flat side and a half-circular-shaped side, said protractor comprising:

a protractor adjustment slot that is parallel to said half-circular-shaped side; and

an angular scale comprising angular measurement indicators;

said miter guide further comprising:

a miter bar that is affixed to a bottom side of said protractor and that rides inside of a guide channel permitting movement of the miter guide in a linear direction, said miter bar utilizing a fastener between said miter bar and said protractor adjustment slot for adjusting the angle of said protractor; and

a slide guide attached to said flat side of said protractor that operates to hold a workpiece against a table top by applying a downward force to said workpiece, said slide guide being in contact with said workpiece.

Claim 10 (withdrawn): The miter guide according to claim 9, wherein said slide guide is constructed of a flat strip of resilient material, said slide guide having a flattened end that slides into a slide guide slot located on said flat side of said protractor.

Claim 11 (currently amended): An assembly comprising:
a router table including:

- (a) a table top having:
 - (i) a top side including a work surface; and
 - (ii) a bottom side, the table top defining a table router bit hole
extending through the table top;
- (b) at least one work piece guide coupled to the top side of the table top; and
- (c) a plurality of legs connected to the bottom side of the table top; and

an adapter router mounting plate configured to be connected to the bottom side of the
table top adjacent to the table router bit hole, the adapter router mounting plate defining:

- (a) a mounting plate router bit hole extending through the adapter router
mounting plate;
- (b) a first group of router mounting holes positioned adjacent to the mounting
plate router bit hole, each one of the router mounting holes of the first
group having a distance from the mounting plate router bit hole; and
- (c) a second group of router mounting holes positioned adjacent to the
mounting plate router bit hole, each one of the router mounting holes of
the second group having a distance from the mounting plate router bit
hole, at least one of the distances of the first group being different from at
least one of the distances of the second group.

~~router table comprising a support connected to a table top, the table top defining a plurality of~~
~~router mounting hole pattern groups for mounting routers having different mounting hole~~
~~arrangements, the hole pattern groups positioned operably in relation to a router hole provided by~~
~~the table and each group having a unique combination of radial distances from the router hole~~
~~and angular positions around the router hole.~~

Claim 12 (currently amended): ~~The router table assembly~~ according to claim 11, wherein
the router bit hole is positioned substantially centrally with respect to the a hole pattern of at least
one of the groups.

Claim 13 (cancelled).

Claim 14 (cancelled).

Claim 15 (currently amended): The ~~router table~~ assembly according to claim 14 ~~11~~, wherein the ~~support~~ legs are substantially vertical.

Claim 16 (previously presented): The router table according to claim 6, wherein the table top includes a work surface with a guide channel.

Claim 17 (previously presented): The router table according to claim 16, which includes a workpiece fence slidably positioned on the work surface.

Claim 18 (previously presented): The router table according to claim 17, which includes a feather flap extending from the workpiece fence, wherein said featherflap includes a resilient material.

Claim 19 (previously presented): The router table according to claim 6, which includes a miter guide connected to the table top.

Claim 20 (currently amended): The router table according to claim 6, which includes a safety shield positioned above the router bit hole.

Claim 21 (cancelled).

Claim 22 (currently amended): The ~~router table~~ assembly according to claim 21 ~~11~~, wherein the ~~support~~ legs are substantially vertical.

Claim 23 (currently amended): The ~~router table~~ assembly according to claim 11, wherein the table top includes a work surface with a guide channel.

Claim 24 (currently amended): The ~~router table~~ assembly according to claim 23, which includes a workpiece fence slidably positioned on the work surface.

Claim 25 (currently amended): The ~~router table~~ assembly according to claim 24, which includes a featherflap extending from the workpiece fence, wherein said featherflap includes a resilient material.

Claim 26 (currently amended): The ~~router table~~ assembly according to claim 11, which includes a miter guide connected to the table top.

Claim 27 (currently amended): The ~~router table~~ assembly according to claim 11, which includes a safety shield positioned above the router bit hole.

Claim 28 (new): An assembly comprising:
a router table including:

- (a) a table top having:
 - (i) a top side including a work surface; and
 - (ii) a bottom side, the table top defining a table router bit hole extending through the table top, the table top further defining an exhaust hole which extends through the table top;
- (b) at least one work piece guide coupled to the top side of the table top;
- (c) a plurality of legs connected to the bottom side of the table top;
- (d) a safety shield movably coupled to the table top; and
- (e) at least one electrical unit supported by the legs, the electrical unit having an on/off switch, an electrical plug and an electrical outlet, the electrical outlet being configured to receive a router electrical plug; and

an adapter router mounting plate configured to be connected to the bottom side of the table top adjacent to the table router bit hole, the adapter router mounting plate defining:

- (a) a mounting plate router bit hole extending through the adapter router mounting plate;
- (b) a first group of router mounting holes positioned adjacent to the mounting plate router bit hole, each one of the router mounting holes of the first group having a distance from the mounting plate router bit hole; and
- (c) a second group of router mounting holes positioned adjacent to the mounting plate router bit hole, each one of the router mounting holes of the second group having a distance from the mounting plate router bit hole, at least one of the distances of the first group being different from at least one of the distances of the second group.

Claim 29 (new): The router table of claim 6, wherein the table top defines at least one exhaust hole which extends through the table top.

Claim 30 (new): The router table of claim 6, which includes at least one electrical unit supported by the legs, the electrical unit having an on/off switch, an electrical plug and an electrical outlet, the electrical outlet being configured to receive a router electrical plug.

Claim 31 (new): The assembly of claim 11, wherein each one of the router mounting holes of the first and second groups has a circular shape.

Claim 32 (new): The assembly of claim 11, wherein each group has a unique combination of angular positions around the router bit hole.

Claim 33 (new): The assembly of claim 28, wherein each one of the router mounting holes of the first and second groups has a circular shape.

Claim 34 (new): The assembly of claim 28, wherein each group has a unique combination of angular positions around the router bit hole.